Title: SACROMASTIGOPHORIC THERAPEUTIC AGENT DELIVERY SYSTEM

Applicant: Lawrence W. Cosenza Atty. Docket: DSI-10402/22 Attorney: Avery N. Goldstein (248) 647-6000

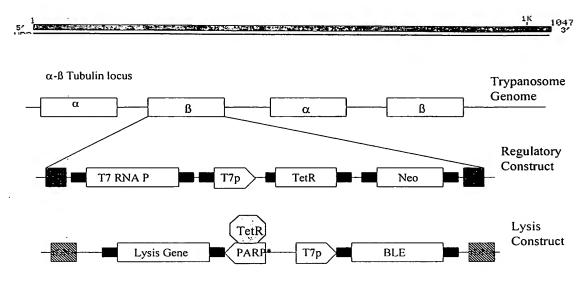


Figure 1

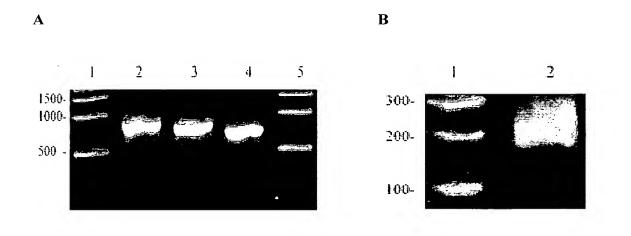


Figure 2

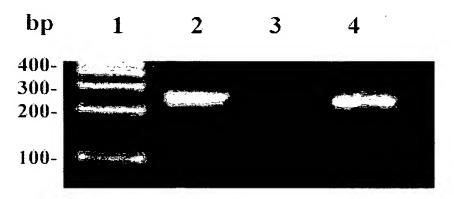


Figure 3

promVP4	1	ACCGAAATTAATACGACTCACTATAGGGGAA
promVP3	1	ATAGCATG-GTACC
		(KpnI)
promVP2	1	ATATTAGGCGCCC
		(AscI)
promVP1	1	AATTATTCGAATTAGCAAGAAGATATTGT
		(NspV) L A R R Y C
promVP4	32	TTGTGAGCGGATAACAATTCCCCGGAGTTAATCCGGGACCTTTAATTCAACCCAACACAA
promVP3	45	
promVP2	46	•••••
promVP1	61	
promVP4	92	TATATTATAGTTAAATAAGAATTATTATCAAATCATTTGTATATTAAATAAA
promVP3	105	•••••
promVP2	106	•••••
promVP1	121	
promVP4	152	CTGTAAATTACATTTTATTTACAATCAAAGGAGATAT-AC
promVP3	165	TGCTAGCTACCTTCGAA
(NheI)		(NspV)
promVP2	166	
1701	101	(NarI) (PstI)
promVP1		AGACTAGTAATAAGCGGCCGC
(SpeI)	(1)	NotI)
promVP4	225	CMA CMA MM
promVP3	225	CTAGTATT
promVP2	225	TTAAT
promVP1	239	TTTATTTA

Figure 4

native Recombinant		GGTGATGTGCAGAATGCTGTCGAAGGGGCTATGGTCAGGGTGGCAGATACAGTGCAA ATGT
native Recombinant	-	ACTTCAGCCACAAACTCAGAGAGGGTGCCTAACTTGACAGCAGTAGAAACTGGTCACACT
native Recombinant		TCGCAGGCAGTACCTGGTGATACCATGCAGACTAGACATGTGATCAACAATCACGTGAGG
native Recombinant		TCAGAATCTACAATTGAGAACTTCCTTGCCAGATCAGCGTGTGTTTTCTACCTAGAGTACTG
native Recombinant		AAGACAGGGACCAAAGAGGATTCCAATAGCTTCAACAATTGGGTGATTACAACCAGGCGA
native Recombinant		GTGGCTCAACTACGTAGAAAACTGGAAATGTTTACTTACCTACGGTTTGACATGGAAATCGT
native Recombinant		ACCGTGGTCATTACAAGCTCGCAAGATCAGTCTACATCACAAAACCAGAATGCACCAGTG
native Recombinant		CTAACACCACGATAATGTATGTACCACCAGGGGGACCCATACCCGTAAGCGTGGATGATAA
native Recombinant		TACAGCTGGCAAACATCCACCAACCCCAGTATCTTTTGGACCGAAGGGAACGCTCCGGCA
native Recombinant		CGCATGTCAATTCCATTTATTAGCATAGGCAATGCGTATAGTAATTTCTACGATGGGTGGAA
native Recombinant		TCTCACTTCTCCCAGGCTGGCGTGTATGGCTTCACTACTCTGAACAACATGGGTCAATTG
native Recombinant		TTCTTCCGGCACGTAAACAAGCCCAACCCAGCCGCTATTACAAGTGTGGCGCGCATTTAC
native Recombinant		TTCAAACCGAAACATGTACGCGCTTGGGTGCCTAGACCACCGCGCTTGTGTCCATACATC
native Recombinant		AATAGCACGAATGTCAACTTTGAACCCAAGCCAGTGACTGAAGTACGTAC
native Recombinant		ACAACGATCATCGCGGCCGCACAGCTGTATACACGTGCAAGCCAGCC
native Recombinant	901	GAAGACCCGAGGATCTCGAGCACCATCACCATCACCATCAC

Figure 5

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Native recombinant		TCTCCAACGGTTGAAGAGTGCGGGTACAGTGACAGGGTCAGTCA
Native recombinant		AACTCCACTATTACAACTCAAGAGTGTGCCAATGTGGTGGTGGGGTACGGTGAATGGCCT
Native recombinant		GAGTATCTGAGTGATAACGAGGCAACTGCTGAGGACCAACCA
Native recombinant		ACTTGCCGTTTTTACACCCTAGACTCAGTCCAATGGGAGAATGGGTCACCAGGTTGGTGG
Native recombinant		TGGAAGTTTCCCGACGCTCTAAGGGATATGGGGATTATTTGGCCAAAATATGTACTACCAT
Native recombinant		TACTTAGGCAGAGCCGGGTATACCATCCACGTACAATGCAATGCTTCCAAGTTTCATCAA
Native recombinant	358 361	GGCTGTATCCTGGTAGTGTGTCCCTGAGGCGGAGATGGGAAGTGCCCAAACCTCAGGG
Native recombinant		GTGGTCAACTACGAACACTTAGTAAGGGTGAGATCGCATCAAGGTTCACTACCACGACA
Native recombinant		ACAGCAGAAGACCATGGCGTGCAGGCCGCGGTATGGAATGCTGGTATGGGCGTTGGAGTT
Native recombinant		GGGAACTTGACGATCTTCCCGCACCAATGGATCAACCTTCGCACCAACAACAGCGCCACA
Native recombinant		ATTGTTATGCCATACGTAAATAGTGTACCAATGGACAATATGTATAGACATCACAACTTT
Native recombinant		ACACTAATGATAATACCCTTTGTGCCTCTGGATTTCAGCGCGGGTGCATCCACATACGTG
Native recombinant		CCCATAACGGTGACAGTGGCCCCCATGTGTGCCGAGTACAATGGACTACGACTAGCTGGA
Native recombinant		CACCAATAGTAG

Figure 6

native Recombinant	_	GGTGATGTGCAGAATGCTGTCGAAGGGGCTATGGTCAGGGTGGCAGATACAGTGCAAACT
native Recombinant		TCAGCCACAAACTCAGAGAGGGTGCCTAACTTGACAGCAGTAGAAACTGGTCACACTTCG
native Recombinant		CAGGCAGTACCTGGTGATACCATGCAGACTAGACATGTGATCAACAATCACGTGAGGTCAT
native Recombinant		GAATCTACAATTGAGAACTTCCTTGCCAGATCAGCGTGTGTTTTCTACCTAGAGTACAAGTG
native Recombinant		ACAGGGACCAAAGAGGATTCCAATAGCTTCAACAATTGGGTGATTACAACCAGGCGAGTG
native Recombinant		GCTCAACTACGTAGAAAACTGGAAATGTTTACTTACCTACGGTTTGACATGGAAATCACC .GT
native Recombinant		GTGGTCATTACAAGCTCGCAAGATCAGTCTACATCACAAAACCAGAATGCACCAGTGCTA
native Recombinant		ACACACCAGATAATGTATGTACCACCAGGGGGACCCATACCCGTAAGCGTGGATGATTACA
native Recombinant		AGCTGGCAAACATCCACCAACCCCAGTATCTTTTGGACCGAAGGGAACGCTCCGGCACGCT
native Recombinant		ATGTCAATTCCATTTATTAGCATAGGCAATGCGTATAGTAATTTCTACGATGGGTGGTCT
native Recombinant		CACTTCTCCCAGGCTGGCGTGTATGGCTTCACTACTCTGAACAACATGGGTCAATTGTTC
native Recombinant		TTCCGGCACGTAAACAAGCCCAACCCAGCCGCTATTACAAGTGTGGCGCGCATTTACTTC
native Recombinant		AAACCGAAACATGTACGCGCTTGGGTGCCTAGACCACCGCGCTTGTGTCCATACATCAAT
native Recombinant		AGCACGAATGTCAACTTTGAACCCAAGCCAGTGACTGAAGTACGTAC
native Recombinant		ACG
native Recombinant	896	GACCCCGAGGATCTCGAGCACCATCACCATCACCATCAC

Figure 7

Native Recombinant	1	ATGGGAGCACAGGTATCAACACAGAAGACCGGGGCGCACGAGACTAGCTTGAGCGCTACT CGAT . TC
Native Recombinant	61 61	GGCAACTCCATAATACACTACACGAATATTAATTATTACAAAGATGCAGCCTCTAACTCT
Native Recombinant	121 121	GCCAATAGACAAGATTTCACCCAAGACCCTGGTAAGTTTACTGAACCAATGAAAGATGTC
Native Recombinant		181 ATGATAAAAACCCTGCCAGCGCTGAAT 181

Figure 8

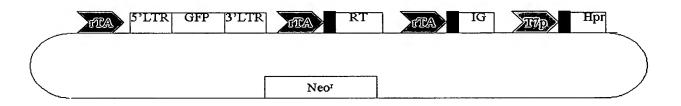


Figure 9

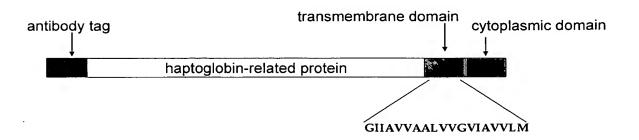


Figure 10

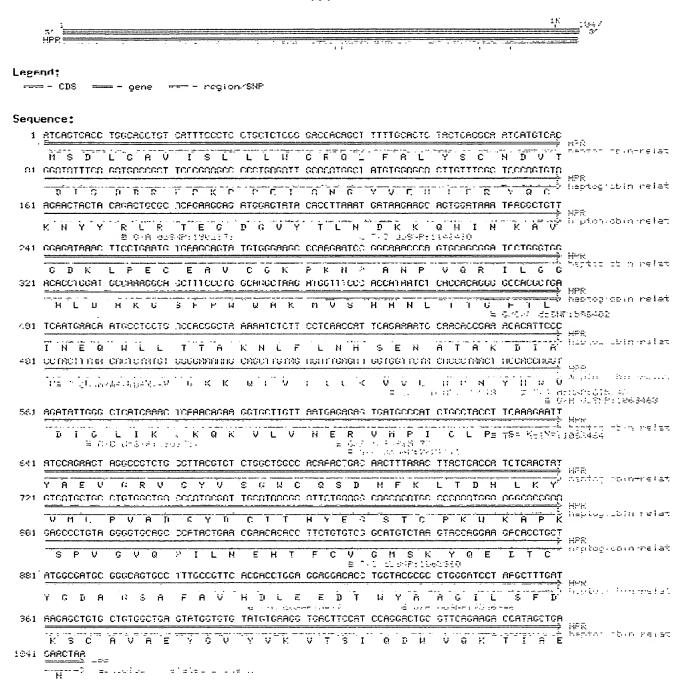


Figure 11